

2018 On-Farm Research Summer Protocol

Seeding Rate

Choosing the Right Field

- Variety must be one of the following: Bolles, Shelly, SY Valda, HRS 3419, or HRS 3530
- Plots typically run the full length of the field and must be wide enough to allow for at least one full combine pass through the plot that avoids sprayer tracks (usually 100-140 ft). Harvesting with a guidance system is also easier with wider plots.
 - If sprayer tracks cannot be avoided, then each strip should include sprayer tracks. The important thing is that all blocks are treated the same.

Data that Research Coordinator Will Collect

- Precipitation
- Stand counts at the 1-2 leaf stage
- Head counts
- Lodging ratings for the area before harvest
- Yield, moisture, test weight, protein

Seeding Rates

- Please notify the Research Coordinator before planting so that the plots can be flagged during planting.
- Seeding rates are 1 million, 1.5 million, and 2.0 million pure live seeds per acre
 - Germination percentage and seed weight of your seed lot must be known to calculate seeding rate

Example: Seed count of 15,000 seeds/lb x .95 for 95% germ = 14,250 viable seeds/lb

$$1,500,000/14,250= 105.3 \text{ lbs/acre seed}$$

- Preferably include at least four replications of the three seeding rates (12 plots)

Harvest

MN Wheat will be present at harvest with one weigh wagon to measure plot yields. The combine will need to either unload into the weigh wagon or into a grain cart, and then into the weigh wagon. Grain will be sampled from the weigh wagon to test moisture, test weight, and protein.

Call us anytime to discuss further: Thank you - Lauren, 218-556-3174; Melissa, 952-738-2000